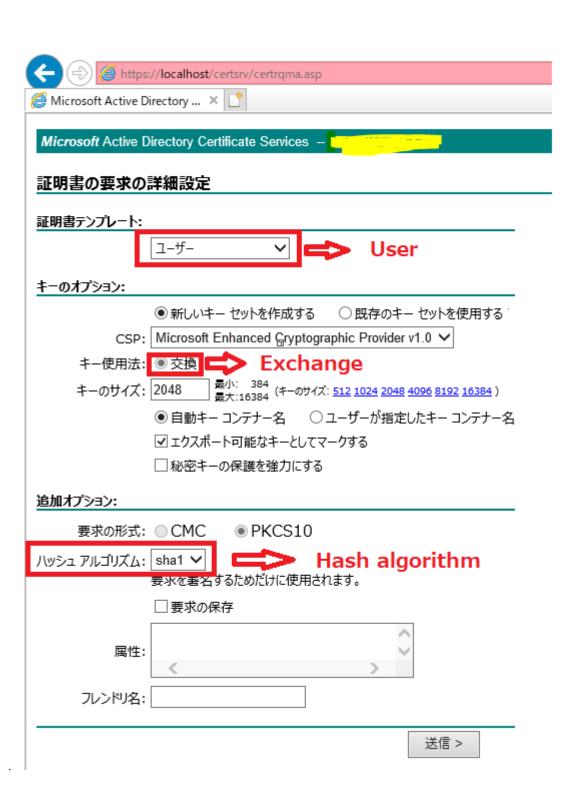
1. AD Sever Side:

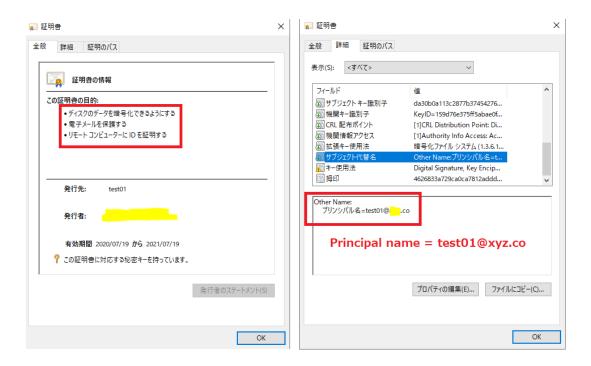
- AD server - 【Request the certificate】











The UPN of the user as subject alternative name.

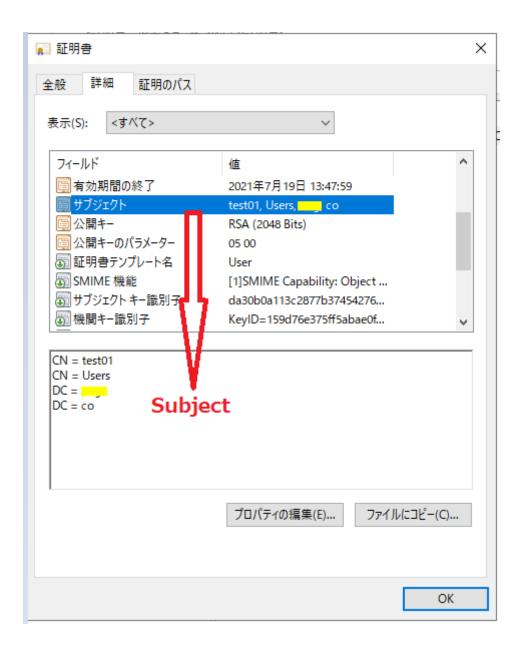


Check DC (domain controller) to trust certificate (the issuer in the list of trusted root CAs)

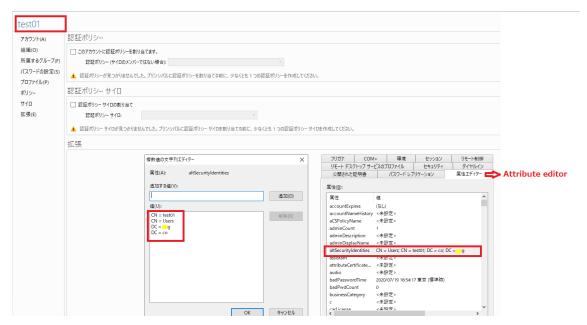
- AD server - [User Setting]



Setting requires logon with smart card.



Get subject to mapping with username (See next the below image)



mapping the subject with username

Next, Export the certificate to the pfx format (including the private key) for use by the client.



2. Client Side

- Window Setting:
 - 2.1.[ComputerConfiguration]->[AdministrativeTemplates]->[WindowsComponents]-
 - >[Smart Cards]
 - -Enable "Allow certificates without extended key usage certificate attribute".
 - Enable "Allow signing keys to be used for logon".
 - Enable "Force reading of all certificates from smart card".
 - 2.2. [Computer Configuration]-> [Administrative Templates]->[System]->[Logon]
 - Enable "Always wait for network at computer startup and logon".
- import PFX file for KSP to read and sign the certificate.:

